

Preface

The 20th ICPR (International Conference on Pattern Recognition) Conference took place in Istanbul, Turkey, during August 23–26, 2010. For the first time in the ICPR history, several scientific contests (<http://www.icpr2010.org/contests.php>) were organized in parallel to the conference main tracks. The purpose of these contests was to provide a setting where participants would have the opportunity to evaluate their algorithms using publicly available datasets and standard performance assessment methodologies, disseminate their results, and discuss technical topics in an atmosphere that fosters active exchange of ideas. Members from all segments of the pattern recognition community were invited to submit contest proposals for review.

In response to the Call-for-Papers, 21 substantial proposals were submitted, and the review process was highly selective leading to a striking acceptance rate of 38%. Accordingly, there were eight scientific contests organized under ICPR 2010, as listed below:

1. BiHTR: Bi-modal Handwritten Text Recognition
2. CAMCOM 2010: Verification of Video Source Camera Competition
3. CDC: Classifier Domains of Competence
4. GEPR: Graph Embedding for Pattern Recognition
5. ImageCLEF@ICPR: The CLEF Cross Language Image Retrieval Track
6. MOBIO: Mobile Biometry Face and Speaker Verification Evaluation
7. PR in HIMA: Pattern Recognition in Histopathological Images
8. SDHA 2010: Semantic Description of Human Activities

This volume includes the selected papers presented at the above-listed ICPR 2010 Contests. Each paper underwent a meticulous revision process guided by the referees listed in these proceedings.

We thank all contest organizers and the external referees for their excellent work, especially given the demanding time constraints. Without the willingness, strength, and organizational skills of the organizers, the ICPR 2010 Contests would not have been a spectacular success. Furthermore, we thank the Conference Chair Aytül Erçil and all the Organizing Committee members. It has been a wonderful experience to work with all of them.

Finally we thank all local organizers, including Rahmi Fıçıcı, Gülbin Akgün, members of TeamCon, and the volunteers, who worked tirelessly to create and maintain the main website of the contests and to pull off the logistical arrangements of the contests. It was their hard work that made the ICPR 2010 Contests possible and enjoyable.

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